

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039204.D
 Acq On : 14 Dec 2023 13:39
 Operator : JC/MD
 Sample : 05829-05 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Dec 15 02:59:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

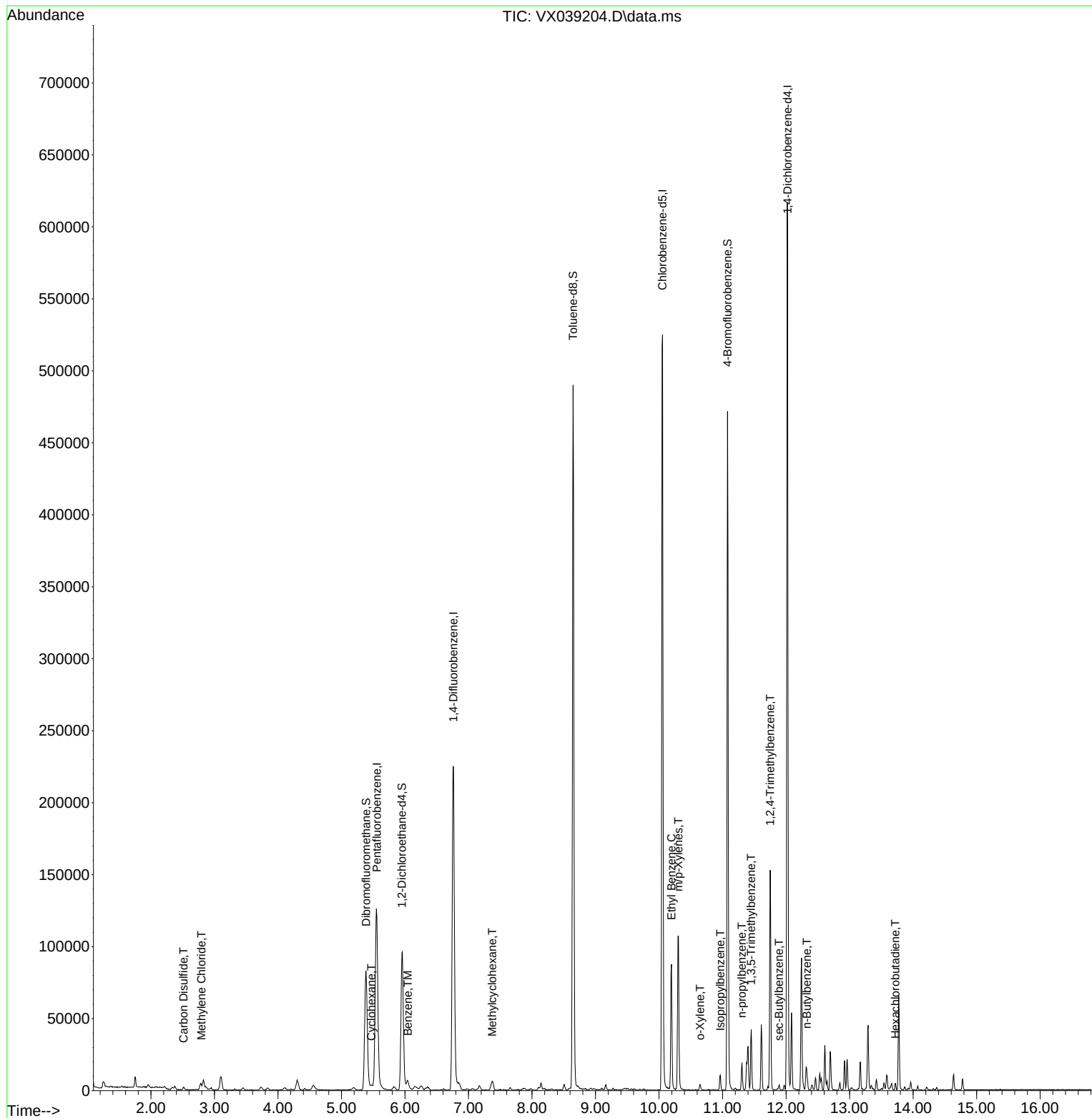
Internal Standards						
1) Pentafluorobenzene	5.556	168	108747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94127	47.249	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.500%		
35) Dibromofluoromethane	5.385	113	72225	46.998	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.000%		
50) Toluene-d8	8.647	98	278952	48.894	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.780%		
62) 4-Bromofluorobenzene	11.079	95	128156	54.443	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.880%		
Target Compounds						
					Qvalue	
17) Carbon Disulfide	2.514	76	2003	0.489	ug/l #	81
20) Methylene Chloride	2.794	84	708	0.426	ug/l	95
31) Cyclohexane	5.471	56	1918	0.745	ug/l #	80
39) Methylcyclohexane	7.373	83	2546	0.874	ug/l #	78
40) Benzene	6.044	78	7226	1.053	ug/l	98
67) Ethyl Benzene	10.195	91	51560	5.564	ug/l	96
68) m/p-Xylenes	10.305	106	25812	7.769	ug/l	96
69) o-Xylene	10.646	106	797	0.248	ug/l	82
73) Isopropylbenzene	10.963	105	5359	0.600	ug/l	98
78) n-propylbenzene	11.305	91	11715	1.065	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	17495	2.299	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	67830	8.694	ug/l	99
85) sec-Butylbenzene	11.890	105	2114	0.229	ug/l	98
89) n-Butylbenzene	12.329	91	4070	0.535	ug/l #	60
94) Hexachlorobutadiene	13.719	225	631	0.689	ug/l	88

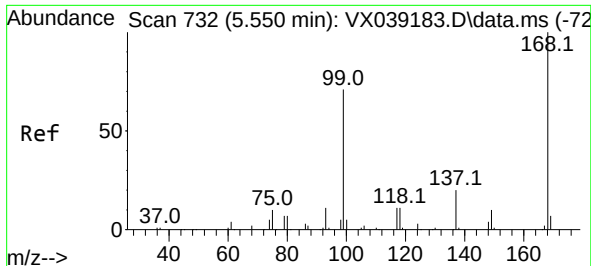
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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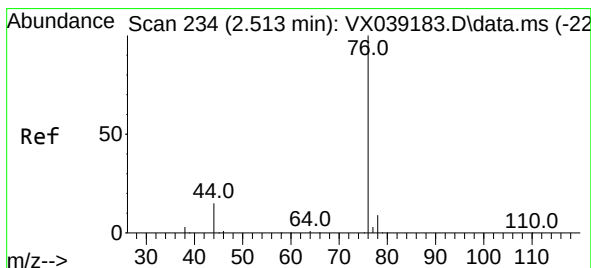
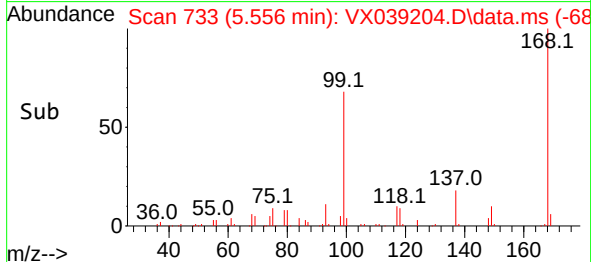
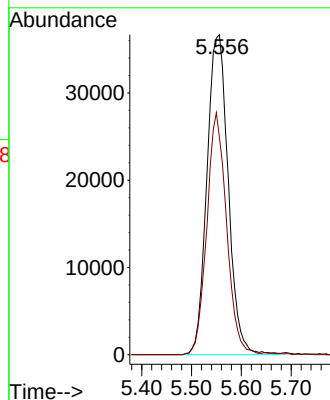
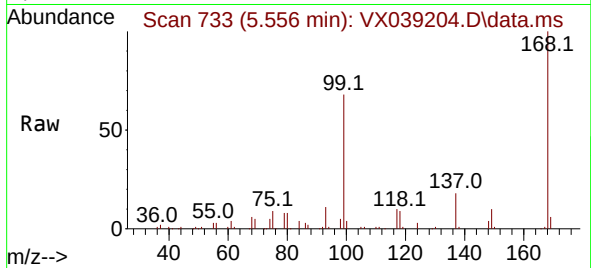




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039204.D
Acq: 14 Dec 2023 13:39

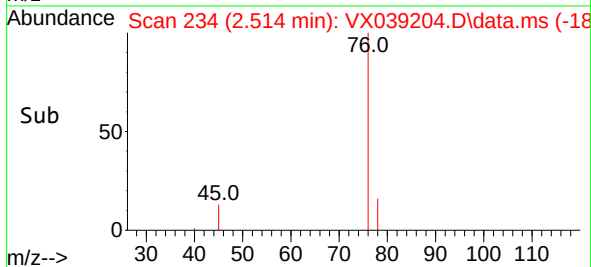
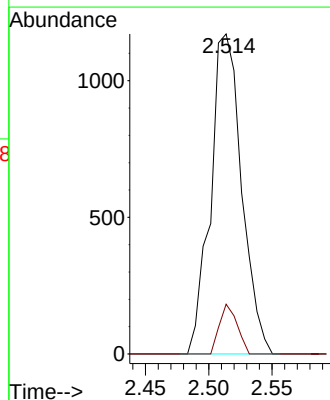
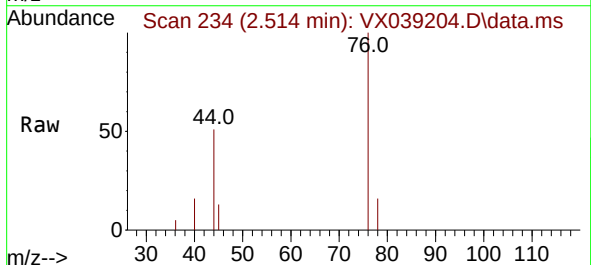
Instrument :
MSVOA_X
ClientSampleId :
MW-2

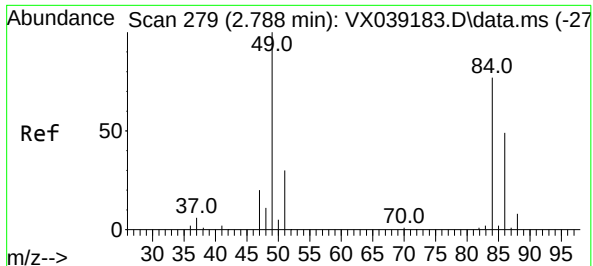
Tgt Ion:168 Resp: 108747
Ion Ratio Lower Upper
168 100
99 67.9 56.6 85.0



#17
Carbon Disulfide
Concen: 0.489 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX039204.D
Acq: 14 Dec 2023 13:39

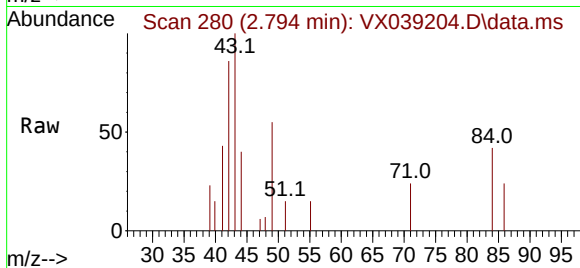
Tgt Ion: 76 Resp: 2003
Ion Ratio Lower Upper
76 100
78 15.5 7.0 10.6#



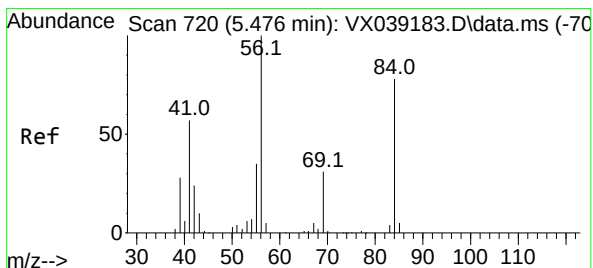
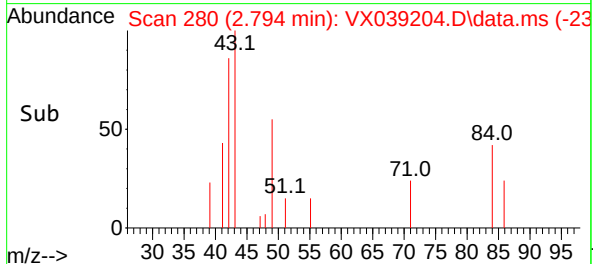
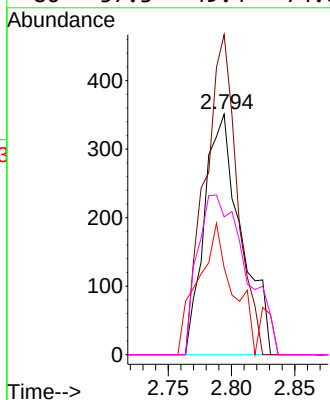


#20
Methylene Chloride
Concen: 0.426 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX039204.D
Acq: 14 Dec 2023 13:39

Instrument :
MSVOA_X
ClientSampleId :
MW-2

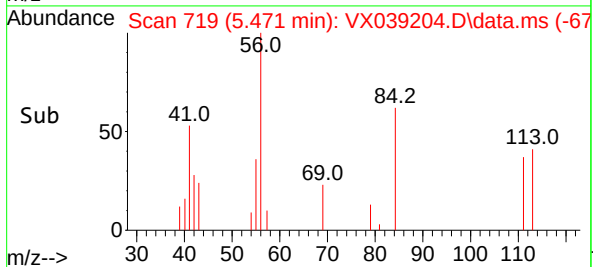
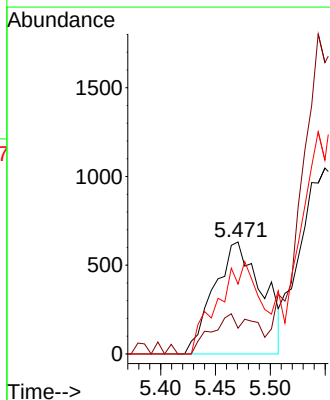
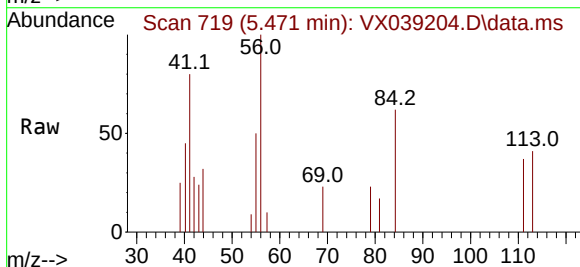


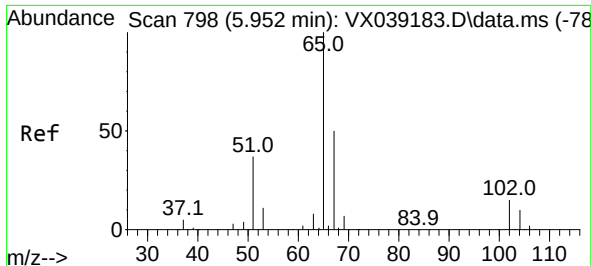
Tgt Ion:	84	Resp:	708
Ion	Ratio	Lower	Upper
84	100		
49	133.0	103.6	155.4
51	36.2	33.8	50.6
86	57.3	49.4	74.0



#31
Cyclohexane
Concen: 0.745 ug/l
RT: 5.471 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX039204.D
Acq: 14 Dec 2023 13:39

Tgt Ion:	56	Resp:	1918
Ion	Ratio	Lower	Upper
56	100		
69	23.0	23.4	35.2#
84	62.4	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.249 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039204.D

Acq: 14 Dec 2023 13:39

Instrument :

MSVOA_X

ClientSampleId :

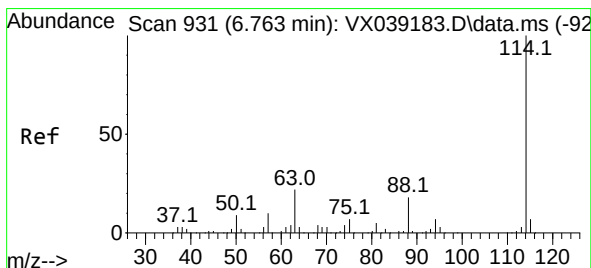
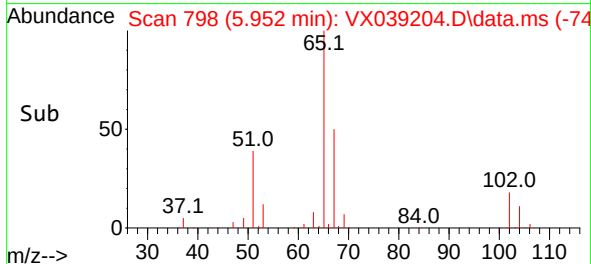
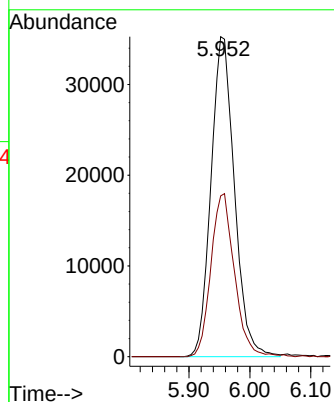
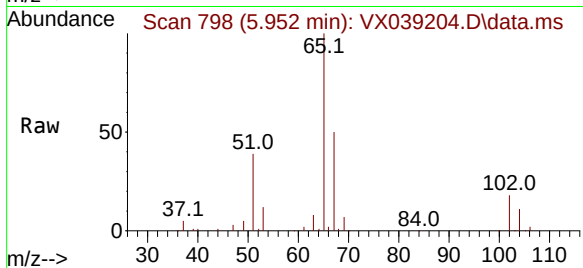
MW-2

Tgt Ion: 65 Resp: 94127

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX039204.D

Acq: 14 Dec 2023 13:39

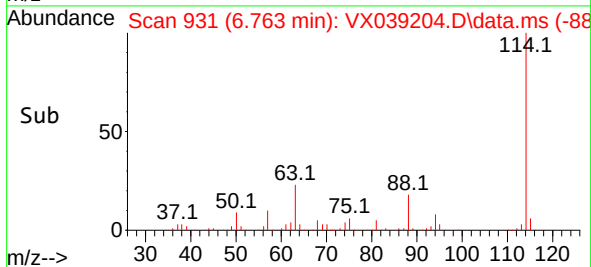
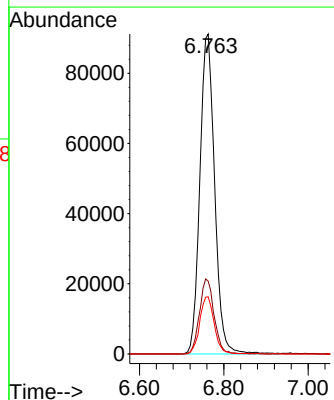
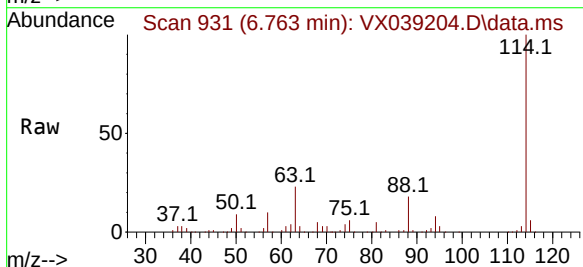
Tgt Ion: 114 Resp: 222445

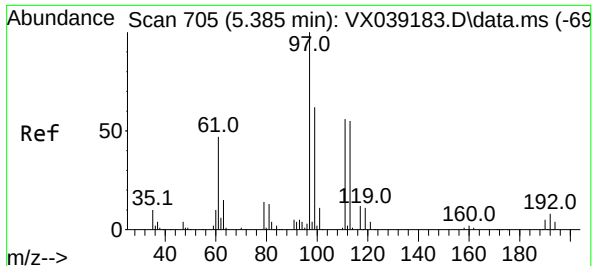
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.0

88 17.9 0.0 36.6

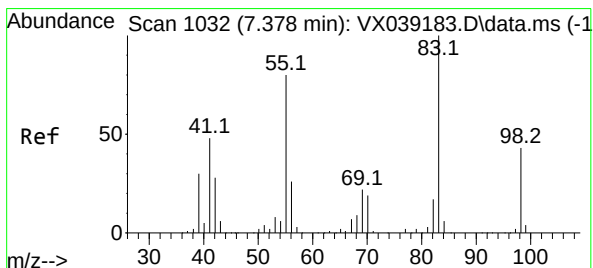
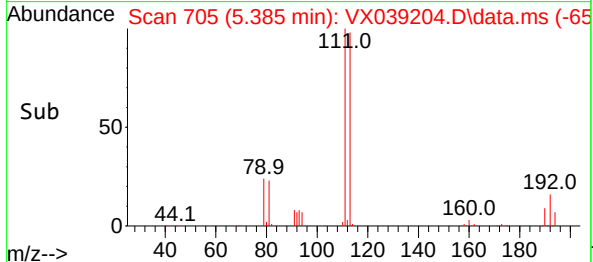
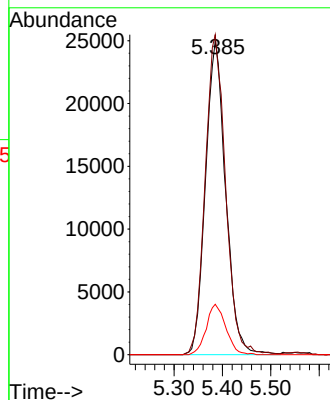
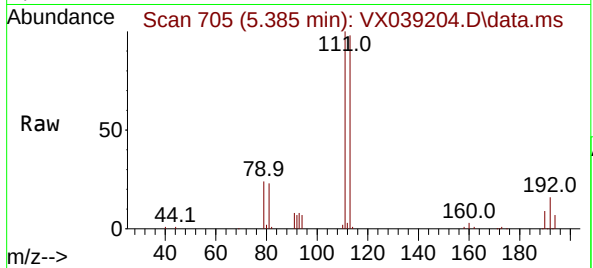




#35
Dibromofluoromethane
Concen: 46.998 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039204.D
Acq: 14 Dec 2023 13:39

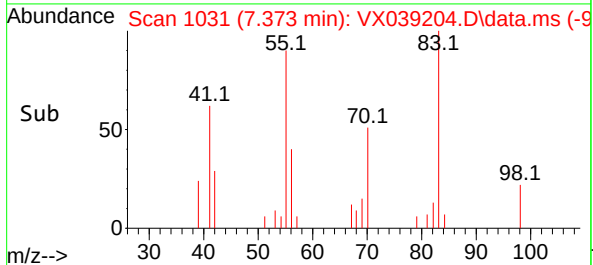
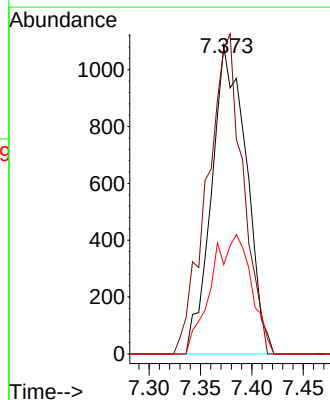
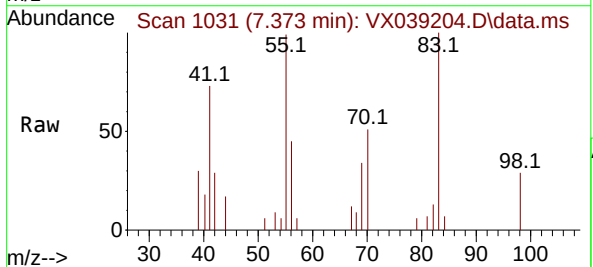
Instrument :
MSVOA_X
ClientSampleId :
MW-2

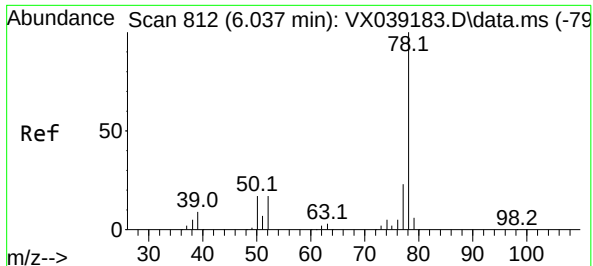
Tgt Ion:113 Resp: 72225
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 15.7 13.3 19.9



#39
Methylcyclohexane
Concen: 0.874 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VX039204.D
Acq: 14 Dec 2023 13:39

Tgt Ion: 83 Resp: 2546
Ion Ratio Lower Upper
83 100
55 98.8 64.6 97.0#
98 28.9 36.7 55.1#





#40

Benzene

Concen: 1.053 ug/l

RT: 6.044 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX039204.D

Acq: 14 Dec 2023 13:39

Instrument :

MSVOA_X

ClientSampleId :

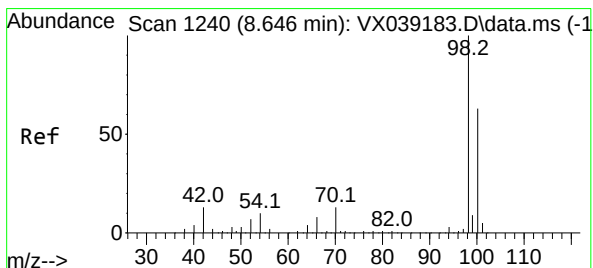
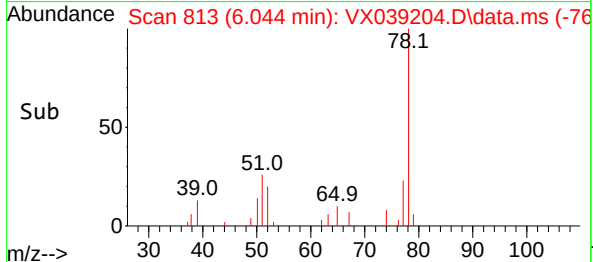
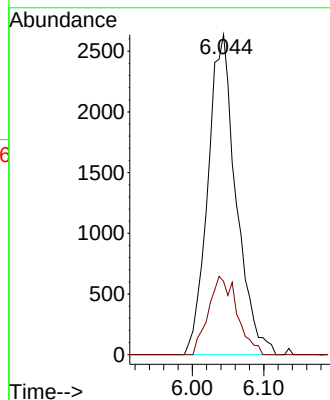
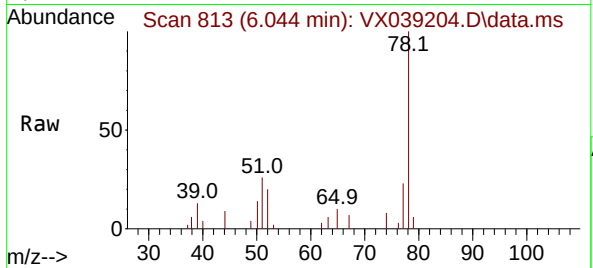
MW-2

Tgt Ion: 78 Resp: 7226

Ion Ratio Lower Upper

78 100

77 22.9 19.3 28.9



#50

Toluene-d8

Concen: 48.894 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039204.D

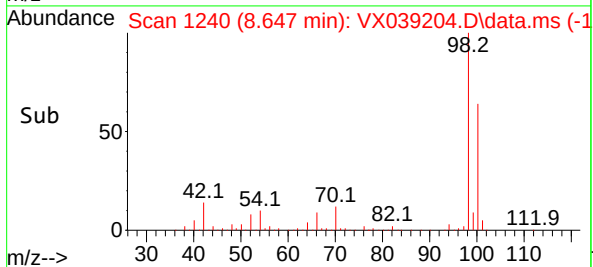
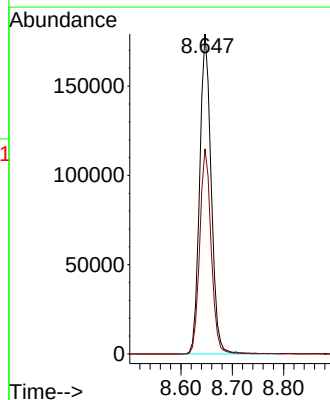
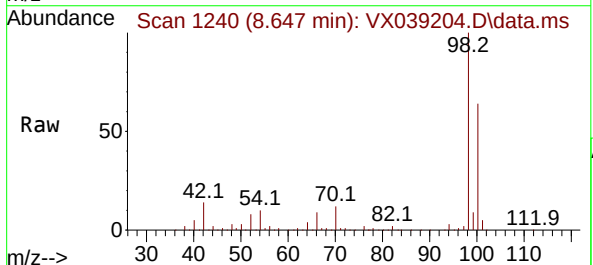
Acq: 14 Dec 2023 13:39

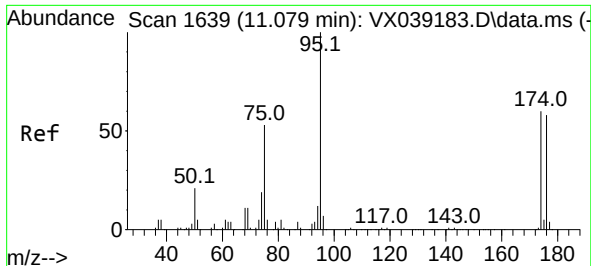
Tgt Ion: 98 Resp: 278952

Ion Ratio Lower Upper

98 100

100 63.5 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 54.443 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039204.D

Acq: 14 Dec 2023 13:39

Instrument :

MSVOA_X

ClientSampleId :

MW-2

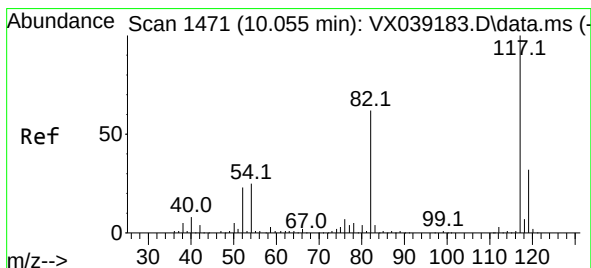
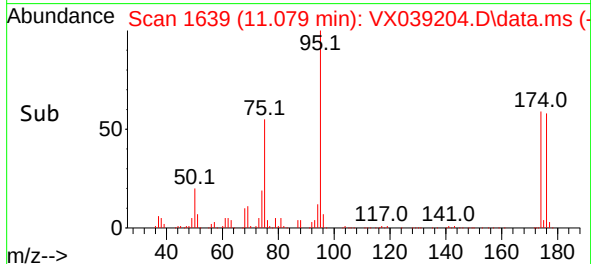
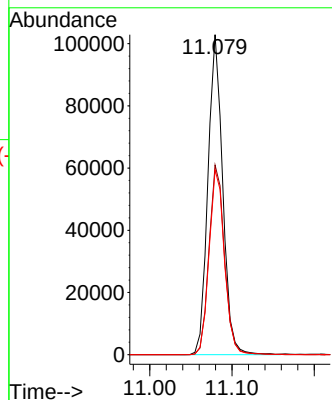
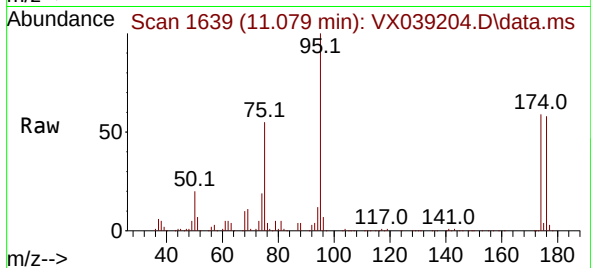
Tgt Ion: 95 Resp: 128156

Ion Ratio Lower Upper

95 100

174 62.1 0.0 135.6

176 60.1 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX039204.D

Acq: 14 Dec 2023 13:39

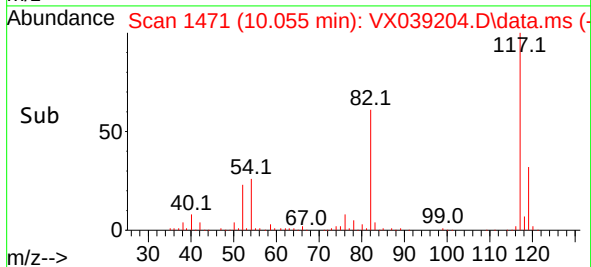
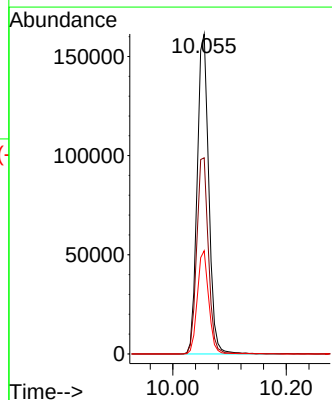
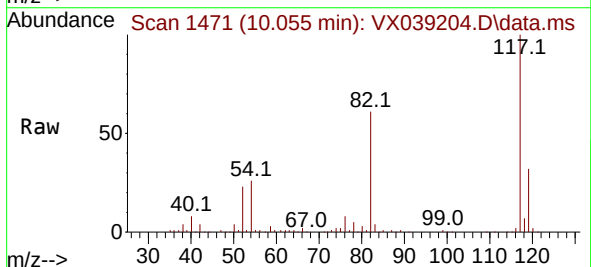
Tgt Ion: 117 Resp: 228068

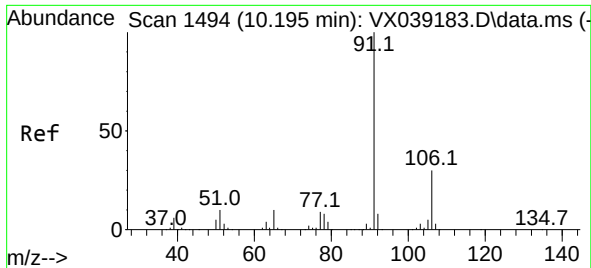
Ion Ratio Lower Upper

117 100

82 61.3 46.2 69.4

119 32.3 25.5 38.3

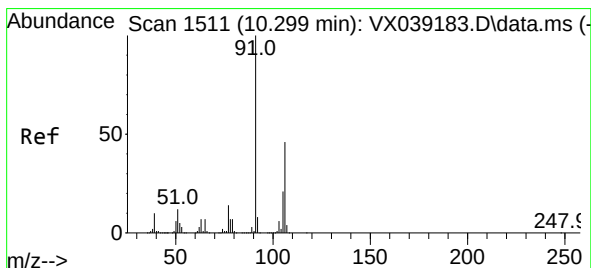
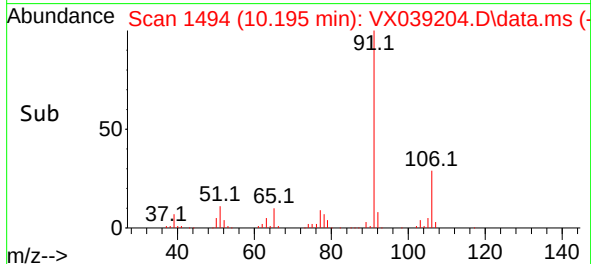
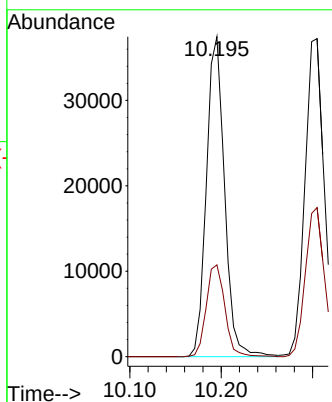
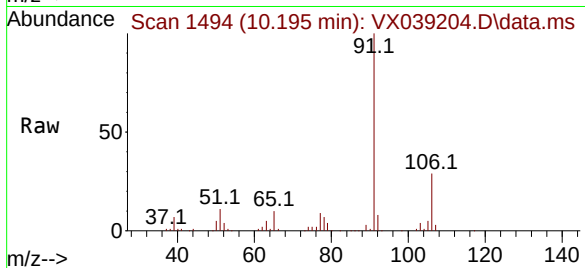




#67
Ethyl Benzene
Concen: 5.564 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX039204.D
Acq: 14 Dec 2023 13:39

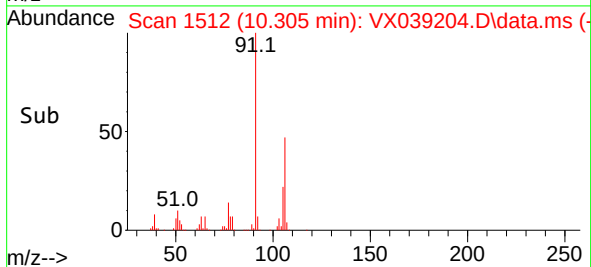
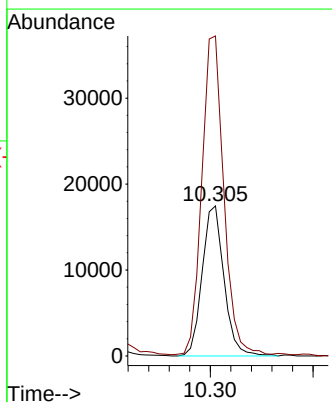
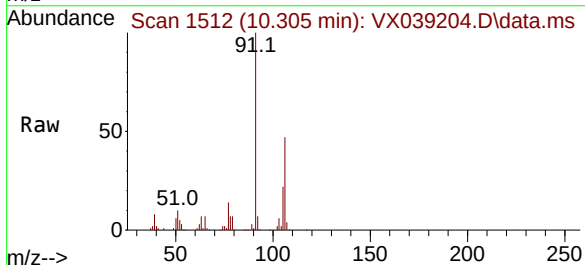
Instrument :
MSVOA_X
ClientSampleId :
MW-2

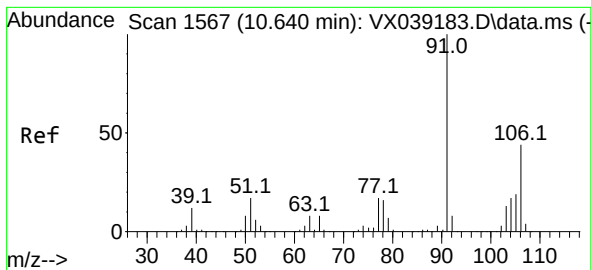
Tgt Ion: 91 Resp: 51560
Ion Ratio Lower Upper
91 100
106 28.7 24.9 37.3



#68
m/p-Xylenes
Concen: 7.769 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX039204.D
Acq: 14 Dec 2023 13:39

Tgt Ion: 106 Resp: 25812
Ion Ratio Lower Upper
106 100
91 213.2 165.5 248.3





#69

o-Xylene

Concen: 0.248 ug/l

RT: 10.646 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039204.D

Acq: 14 Dec 2023 13:39

Instrument :

MSVOA_X

ClientSampleId :

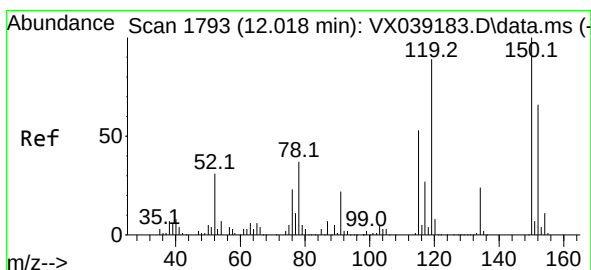
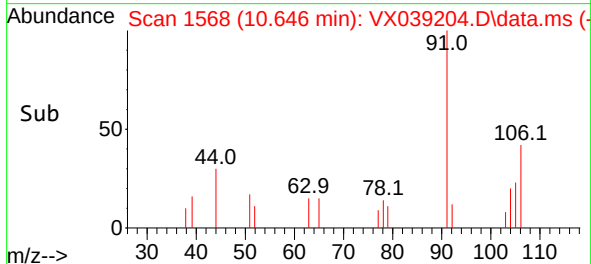
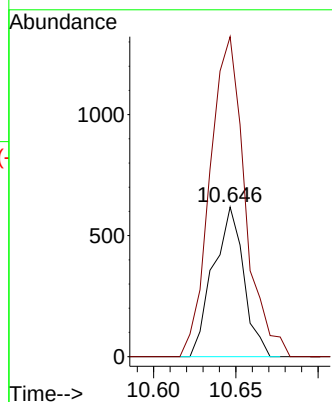
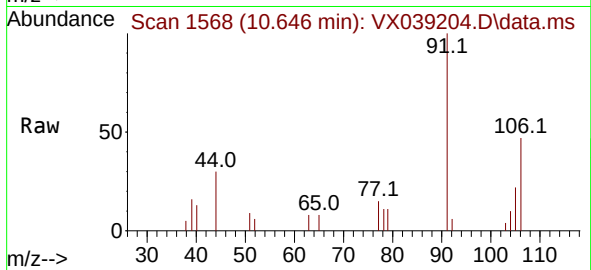
MW-2

Tgt Ion:106 Resp: 797

Ion Ratio Lower Upper

106 100

91 246.4 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX039204.D

Acq: 14 Dec 2023 13:39

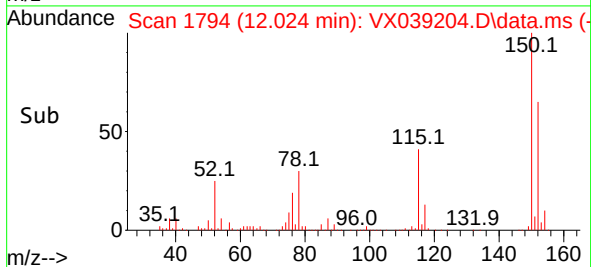
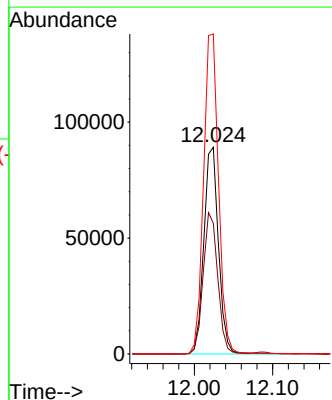
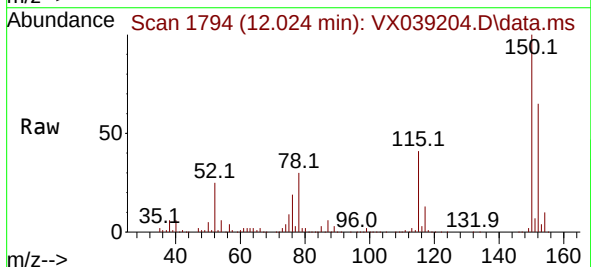
Tgt Ion:152 Resp: 115756

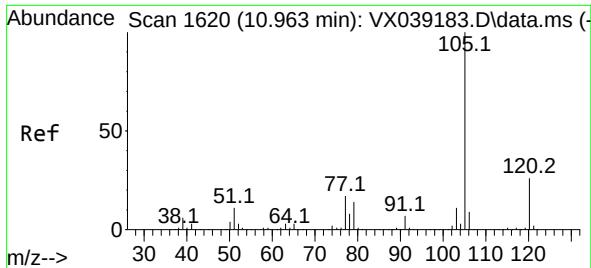
Ion Ratio Lower Upper

152 100

115 68.0 43.3 129.9

150 158.3 0.0 345.0

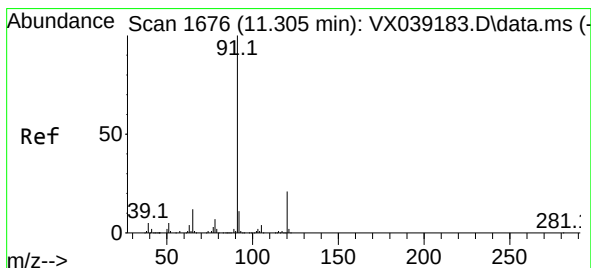
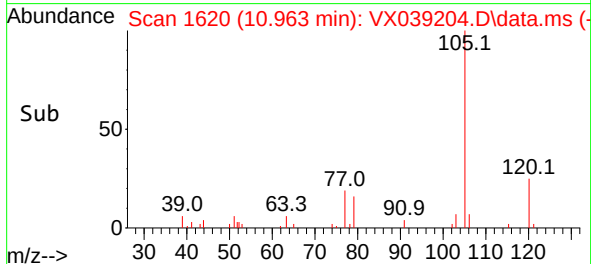
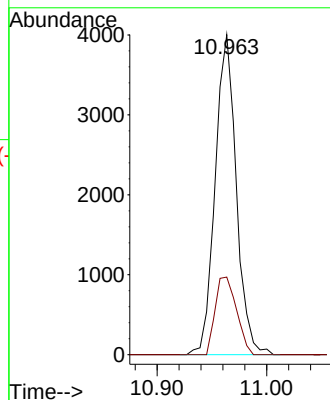
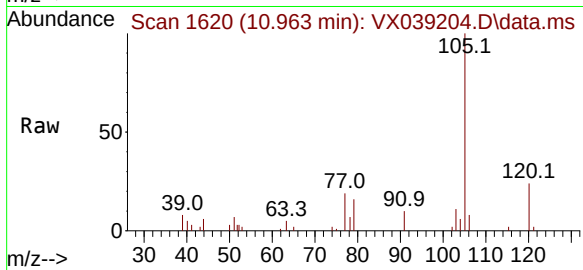




#73
Isopropylbenzene
Concen: 0.600 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX039204.D
Acq: 14 Dec 2023 13:39

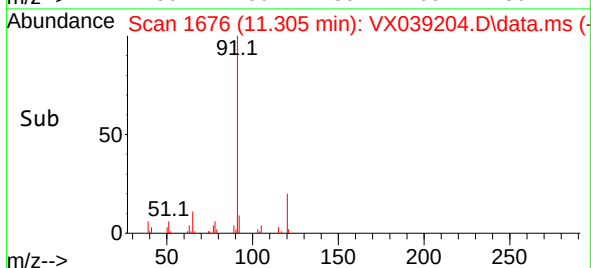
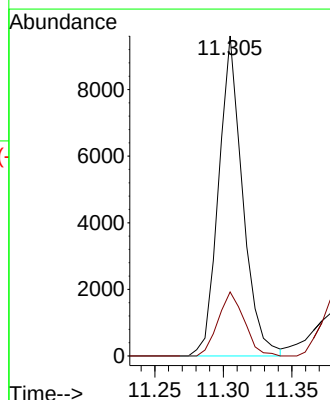
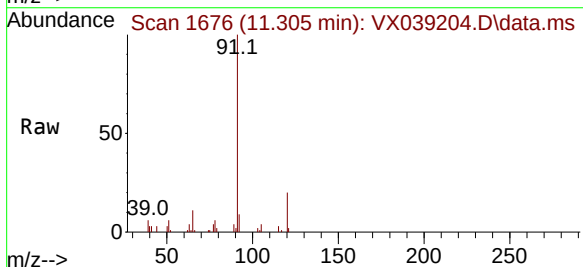
Instrument :
MSVOA_X
ClientSampleId :
MW-2

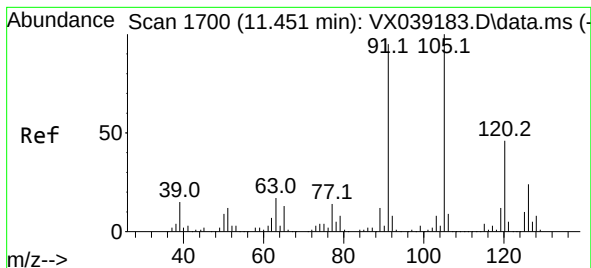
Tgt Ion:105 Resp: 5359
Ion Ratio Lower Upper
105 100
120 24.4 12.9 38.6



#78
n-propylbenzene
Concen: 1.065 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX039204.D
Acq: 14 Dec 2023 13:39

Tgt Ion: 91 Resp: 11715
Ion Ratio Lower Upper
91 100
120 21.8 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 2.299 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039204.D

Acq: 14 Dec 2023 13:39

Instrument :

MSVOA_X

ClientSampleId :

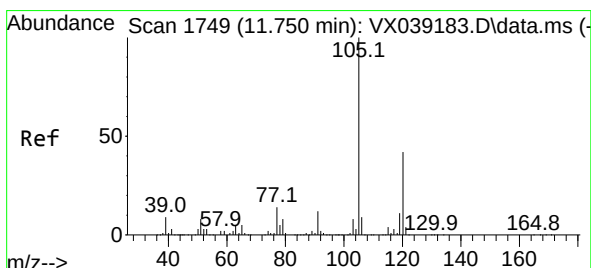
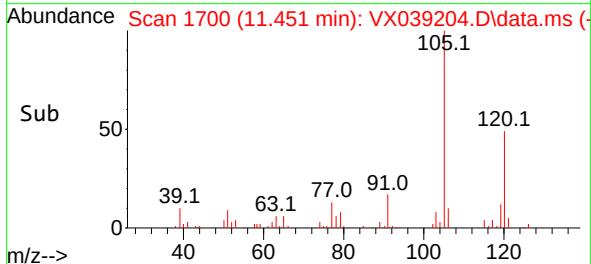
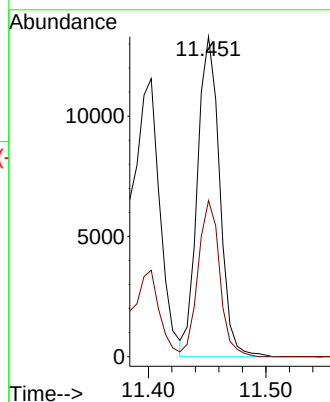
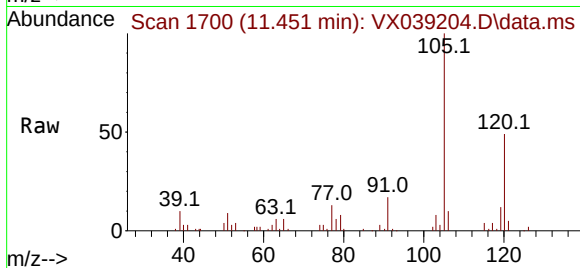
MW-2

Tgt Ion:105 Resp: 17495

Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 8.694 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039204.D

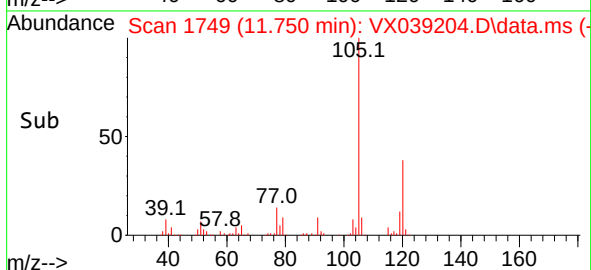
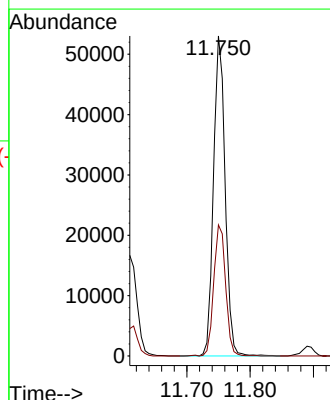
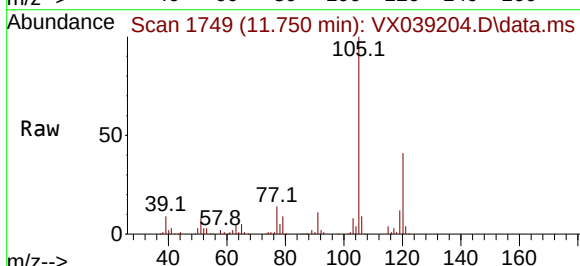
Acq: 14 Dec 2023 13:39

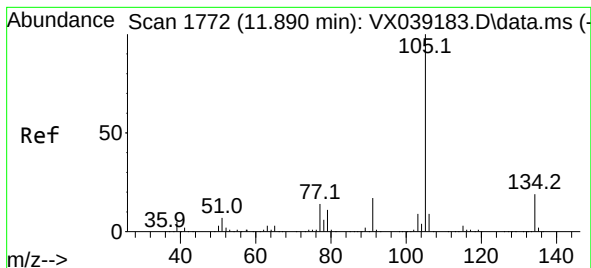
Tgt Ion:105 Resp: 67830

Ion Ratio Lower Upper

105 100

120 41.9 21.2 63.6





#85

sec-Butylbenzene

Concen: 0.229 ug/l

RT: 11.890 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039204.D

Acq: 14 Dec 2023 13:39

Instrument :

MSVOA_X

ClientSampleId :

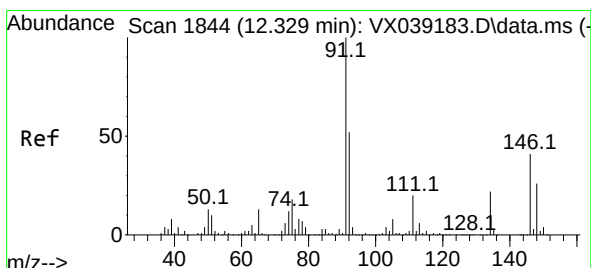
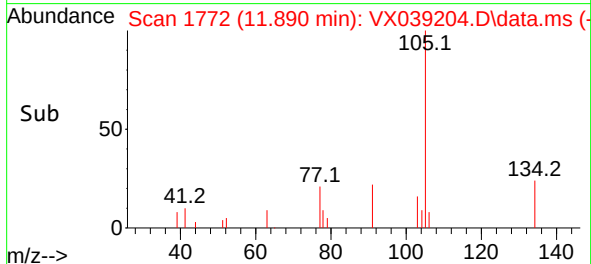
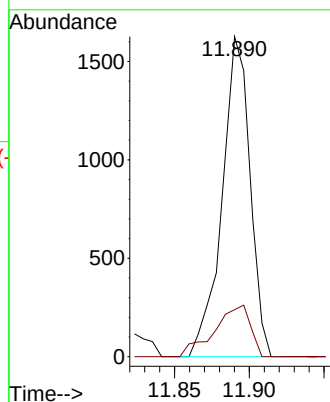
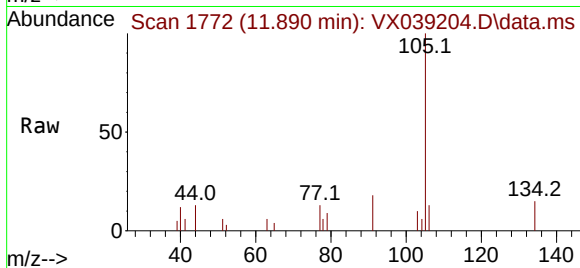
MW-2

Tgt Ion:105 Resp: 2114

Ion Ratio Lower Upper

105 100

134 20.6 9.8 29.4



#89

n-Butylbenzene

Concen: 0.535 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX039204.D

Acq: 14 Dec 2023 13:39

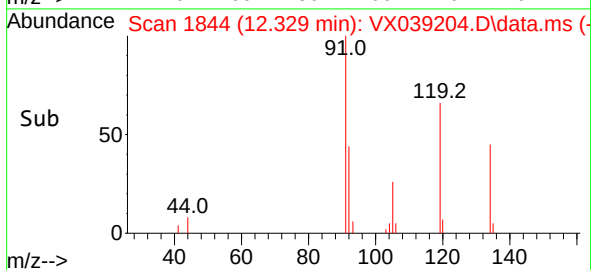
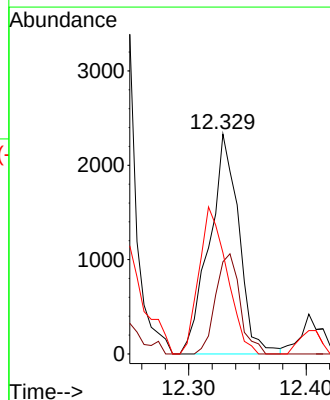
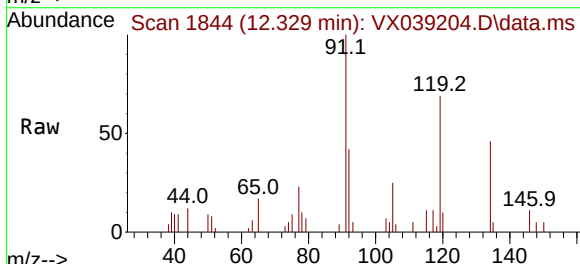
Tgt Ion: 91 Resp: 4070

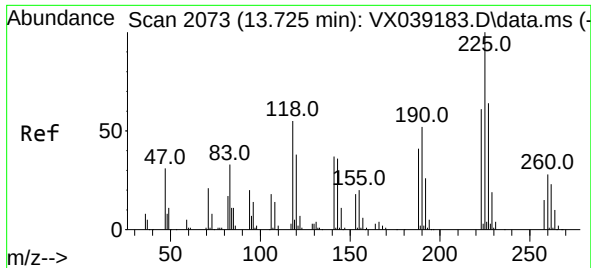
Ion Ratio Lower Upper

91 100

92 37.5 27.4 82.0

134 63.4 12.6 37.8#





#94
 Hexachlorobutadiene
 Concen: 0.689 ug/l
 RT: 13.719 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VX039204.D
 Acq: 14 Dec 2023 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Tgt Ion:225 Resp: 631
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.1 93.2
 227 48.8 32.5 97.5

